RCA SILICON CONTROLLED-RECTIFIERS

Having Factory-Attached Heat Radiators

40504—40505
40506

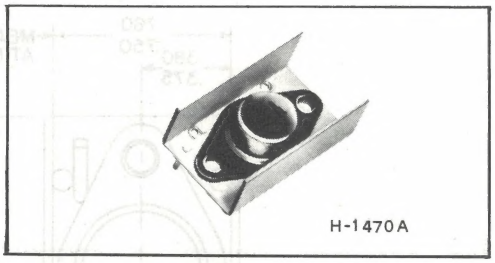
File No. 266

This bulletin sheet is to be used in conjunction with the data sheet for types 2N3228, 2N3525, and 2N4101 dated 5/66.

RCA 40504, 40505, and 40506 are all-diffused, three-junction silicon controlled-rectifiers having integral heat radiators. They are variants of the 2N3228, 2N3525, and 2N4101, respectively.

The 40504, 40505, and 40506 are designed to meet the needs of many power-control and power-switching applications in which heat sinking is required but where the design of special cooling systems to achieve the full current rating of the thyristor is not warranted.

The radiator design of these devices has tabs to allow printed-circuit board mounting and holes to allow chassis mounting if desired.



Thyristor with Heat Radiator	Thyristor without Heat Radiator
40504	2N3228
40505	2N3525
40506	2N4101

CONDUCTION RATING CHART
(FREE-AIR TEMPERATURE)

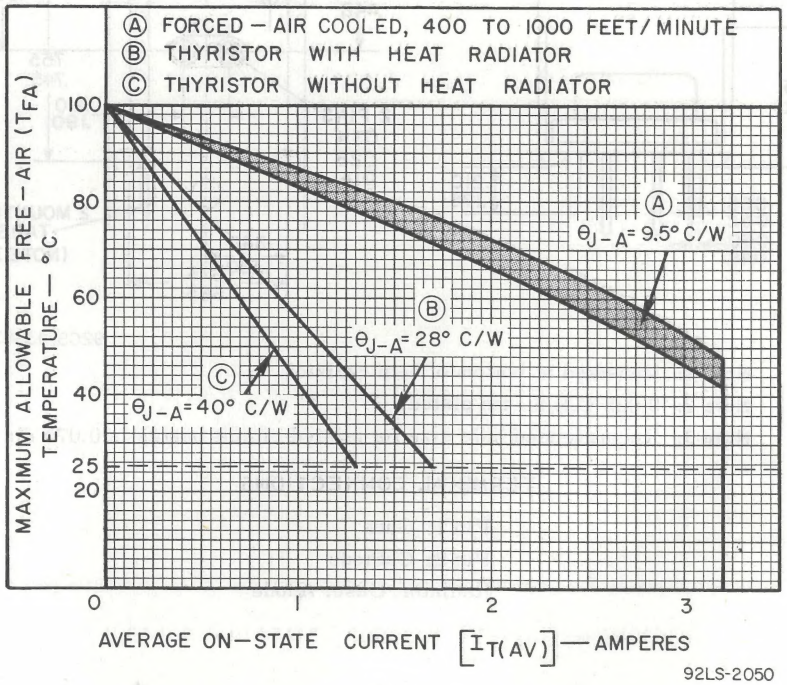


Fig. 1

RADIO CORPORATION OF AMERICA
ELECTRONIC COMPONENTS AND DEVICES, HARRISON, N.J.

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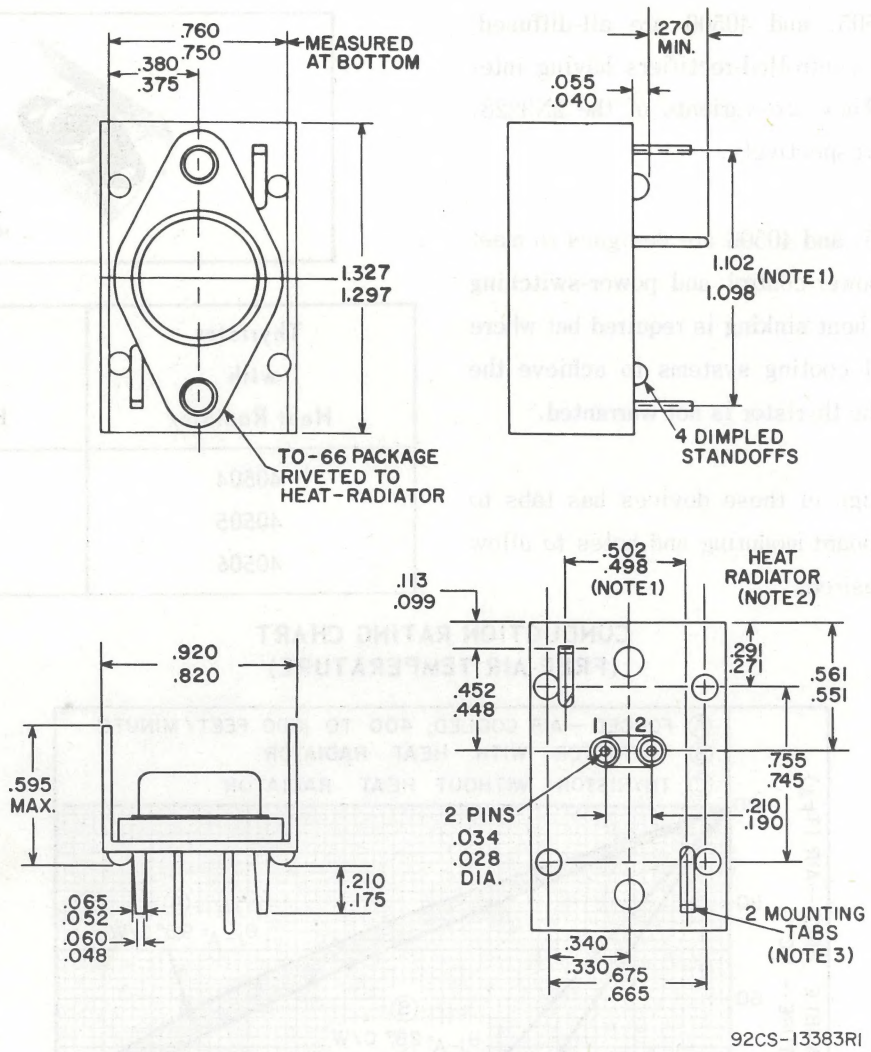
4/67

DIMENSIONAL OUTLINE



Note 1: Measured at bottom of heat-radiator.

Note 2: 0.035 C.R.S., tin plated.

Note 3: Recommended hole size for printed-circuit boards is 0.070 dia.

TERMINAL CONNECTIONS

Pin 1: Gate
Pin 2: Cathode
Radiator, Case: Anode

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